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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/805,928	03/22/2004	Raymond Elijah Barnett	TI-36636	1045

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EXAMINER

NEGRON, DANIEL L

ART UNIT	PAPER NUMBER
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2627

NOTIFICATION DATE	DELIVERY MODE
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11/26/2007

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspto@ti.com
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Office Action Summary	Application No. 10/805,928	Applicant(s) BARNETT ET AL.	
	Examiner Daniell L. Negrón	Art Unit 2627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 September 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Lacombe U.S. Patent No. 6,496,317.

Regarding claims 1 and 2, Lacombe discloses a write current circuit (Fig. 4) for a mass media write head comprising a head write driver circuit adapted to drive the write head with a write current signal having a positive write edge and a negative write edge (e.g. signals WHX and WHY), and a further circuit coupled with the head write driver circuit and adapted to selectively provide pulsing signals which independently define overshoot amplitudes of the positive write edge and negative write edge (i.e. signal transitions) respectively of the write current signal, wherein the further circuit is a differential current source (column 7, lines 10-17 and 27-37).

Regarding claim 3, Lacombe discloses a write current circuit wherein the differential current source is programmable (column 7, lines 59-65 and column 9, lines 40-43).

Regarding claim 4, Lacombe discloses a write current circuit wherein the further circuit is adapted to selectively provide defined amplitude of each of the overshoot amplitudes (column 9, lines 19-44).

Regarding claim 5, Lacombe discloses a write current circuit wherein the further circuit is programmable for providing differential overshoot amplitudes for the positive write edge and the negative write edge (column 7, lines 59-65 and column 9, lines 40-43).

Regarding claim 6, Lacombe discloses a write current circuit wherein the further circuit includes a delay circuit for selectively providing a defined pulse width (i.e. delay period) for each of the overshoots (column 9, lines 22-25).

Regarding claim 7, Lacombe discloses a write current circuit wherein the delay circuit is programmable for providing differential overshoot pulse widths for the positive write edge and the negative write edge (column 9, lines 52-55).

Regarding claims 8-17, claims 8-17 have limitations similar to those treated in the above rejections of claims 1-7, and are met by the reference as discussed above.

Regarding claims 18 and 19, method claims 18 and 19 are drawn to the method of using the corresponding apparatus claimed in claims 1-9. Therefore method claims 18 and 19 correspond to apparatus claims 1-9 and are rejected for the same reasons of anticipation as used above.

Response to Arguments

3. Applicant's arguments filed September 13, 2007 have been fully considered but they are not persuasive. On pages 7-9, Applicant argues that Lacombe fails to explicitly disclose or suggest pulsing signals which independently define overshoot amplitudes of a positive and negative write edge respectively of the write current signal. Examiner, however respectfully disagrees since, as discussed in the previous Office actions, Lacombe discloses signals WBX and WBY as defining amplitudes of overshoot signals in Figure 7. Furthermore, it is considered that

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WBX and WBY independently define the overshoot signals since each of said signals are toggled on and off with respect to one another and are not active simultaneously (column 9, lines 20-25).

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniell L. Negrón whose telephone number is 571-272-7559. The examiner can normally be reached on Monday-Friday (8:30am-5:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William R. Korzuch can be reached on 571-272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/DLN/

Daniell L. Negrón

Examiner, Art Unit 2627

November 13, 2007

/William Korzuch/

SPE, Art Unit 2627